

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH MOBILE COUNTY STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND OTHER COUNTY ADOPTED ORDINANCES, AS WELL AS THE NATIONAL BUILDING CODES, UNLESS OTHERWISE APPROVED AS A FEELION OF ACCEPTATION BY MEANS OF THE PLANNING AND ZONING COMMISSION AND THE BOARD OF SUPERVISORS.
2. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY USE PERMIT FOR ANY WORK TO BE PERFORMED WITHIN THE RIGHT-OF-WAY UNDER THE OVERSIGHT OR CONTROL OF MOBILE COUNTY. THE COUNTY RESERVES THE RIGHT OF SUPPLEMENTAL REVIEW OF ALL CONSTRUCTION ACTIVITIES PERFORMED WITHIN THE COUNTY RIGHT-OF-WAY. THE CONTRACTOR SHALL NOT ENGAGE IN ANY CONSTRUCTION ACTIVITY PRIOR TO OBTAINING ANY NEEDED CONSTRUCTION ACTIVITIES WITHIN THE COUNTY RIGHT-OF-WAY.
3. THIS SET OF PLANS HAS BEEN PREPARED FOR COMPLIANCE WITH COUNTY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE COUNTY FROM REQUESTING CORRECTION OF ERRORS OR AMENDMENTS TO THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROVAL OF PLANS DOES NOT RELY ON ANY DISCRETION OF ENGINEER FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS ON SAID PLANS.
4. IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL CERTIFIED RECORD DRAWINGS BY THE COUNTY.
5. THE DEVELOPER, ANY SUCCESSORS, AND ASSONS, WILL HOLD THE COUNTY OF MOBILE HARMLESS FROM ANY LIABILITY ARISING OUT OF THE DESIGN OF ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF THIS DESIGNATION AS SHOWN HEREON, NOW AND IN THE FUTURE, BY REASON OF FLOODING, FLOAVAGE, EROSION, OR DAMAGE CAUSED BY RAIN, WHETHER SURFACE DRAIN OR RAINFALL.
6. DRAINAGE WILL REMAIN IN ITS NATURAL STATE AND WILL NOT BE ALTERED, MODIFIED, OR DESTROYED OTHER THAN AS SHOWN ON THE DEVELOPMENT PLAN.
7. A 10' GRADIAN USE PERMIT AND FINISHED FLOOR ELEVATION CERTIFICATE ARE REQUIRED FOR ALL PARCELS LOCATED WITHIN THE AREA DESIGNATED AREAS OF SPECIAL FLOOD HAZARD FOR THE 100-YEAR STORM.
8. ANY RELOCATION, MODIFICATION, ETC. OF EXISTING UTILITIES AND/OR PUBLIC EXPENSE TO THE COUNTY.
9. THE CONTRACTOR SHALL FOLLOW ALL BLUE STATE LAWS AND NOTIFY BLUE STATE (1)-800-SINK-11, BEFORE DIGGING.
10. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, AS ADOPTED AND MODIFIED BY MOBILE COUNTY.
11. DISTURBED AREAS AS DEEMED UNSUITABLE BY THE SOILS ENGINEER FOR USE AS COMPACTED MATERIAL SHALL BE EXCAVATED AND REMOVED FROM THE SITE.
12. WHERE SITES TO BE REMOVED FROM THE SITE, THE CONTRACTOR SHALL DESIGNATE THE LOCATION WHERE THE FILL WILL BE PLACED, AND OBTAIN A LETTER FROM THE OWNER OF THAT PROPERTY ALLOWING THE PLACEMENT OF THE MATERIAL THEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ADJACENT REQUIREMENTS AND PERMITS OF THE GOVERNING JURISDICTION.
13. ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2001 EDITION.
14. EXCEPT FOR THE WORK PERFORMED UNDER THE TERMS OF A FRANCHISE, OR WORK PERFORMED BY A GOVERNMENTAL AGENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL WORK IS INSURED AND TESTED BY AN UNDER THE DIRECTOR OF MOBILE COUNTY. THE CONTRACTOR SHALL HAVE A VALID CERTIFICATION IN THE STATE OF ALABAMA.
15. THE CONTRACTOR SHALL NOT GRADE ANY PARCELS WITH OUTSIDE PRIVATE OWNER.
16. THE CONTRACTOR SHALL NOT GRADE ANY MANY CORPS OF ENGINEERS (ACEC) 404 DESIGNATED WATERS UNTIL 404 PERMIT APPROVAL HAS BEEN GRANTED.
17. AN APPROVED GRADING PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATION FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
18. ALL EXCAVATION AND GRADING OPERATIONS CONDUCTED WITHIN THE COUNTY LIMITS SHALL COMPLY WITH ALL APPLICABLE MOBILE COUNTY ORDINANCES, INCLUDING BUT NOT NECESSARY DUST CONTROL REGULATIONS.

1. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND PUBLISHED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE), AND IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE TITLE 18, CHAPTER 9, TOGETHER WITH THESE PLANS.
2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS ARE SHOWN AS APPROXIMATE. CONTRACTOR SHALL VERIFY THE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING. AT LEAST 7 WORKING DAYS IN ADVANCE, THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
3. WATER/SERVICES SEPARATION SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAILS 40-1+1 AND RIB-4+1-520C. SEPARATION SHALL BE A MINIMUM OF 6 FEET VERTICAL AND 6' HORIZONTAL.
4. CONTRACTOR SHALL ACCOUNT & PAY FOR ALL NECESSARY PERMITS.
5. SENSE MAIN PIPE AND SERVICE SHALL BE P.V.C. SDR 35, MEETING THE REQUIREMENTS OF ASTM F481 AND M.A.G. SECTION 615. INSTALLATION SHALL BE IN ACCORDANCE WITH A.S.H.T.M. STANDARD SPECIFICATION D2239.
6. REQUIRED MANHOLES SHALL BE CONSTRUCTED PER M.A.G. STANDARD DETAIL NO. 622.31.
7. TRENCHES AND BAPTIST SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION NO. 601 AND M.A.G. RIB-9-E-2301.D.1.F. AND RIB-9-E-2301.D.1.I. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
8. ALL EXISTING STREET PAVEMENT DESTROYED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 422.
9. ALL MANHOLE FRAME AND COVER GRADE DISCREPANCIES REPORTED SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 422.
10. SHADING OF ALL SENSE MANHOLE BOTTOMS SHALL BE PER M.A.G. STANDARD SPECIFICATIONS NO. 622.31.
11. ALL MANHOLES AND DROP SENSE CONNECTIONS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. SECTION 615. FOR MANHOLES OUTLET BETWEEN 1' & 2.5' THERE SHALL BE CONSTRUCTED IN THE FORM OF A CONE TO PREVENT COLLAPSE OF WALKER FROM THE LULU SIDE. AT A MINIMUM GRADE OF 2.5% TO PREVENT SOLID DEPOSIT. FOR A DROP IN EXCESS OF 2.5' REFER TO M.A.G. STANDARD DETAIL NO. 465.
12. ALL SENSE STANDOFF CONNECTIONS SHALL MEET THE FOLLOWING REQUIREMENTS:
 - A. SENSE STANDOFF SHALL BE CONSTRUCTED PER M.A.G. STANDARD DETAIL NO. 465.
 - B. CROSSING OF WATER MAIN WITHIN THE RIGHT OF WAY REQUIRE PROTECTION PER M.A.G. STD. INT. 406.
13. ALL SENSE STANDOFF SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 441.
14. MINIMUM DEPTH OF COVER TO THE TOP OF SENSE PIPE SHALL NOT BE LESS THAN 3 FEET PER A.A.C. RIB-9-E-301.
15. UTILITY FACILITIES SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE SATISFACTORY FOR THE GENERAL CONTRACTOR AS REQUIRED. THIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE UTILITY TO PRESENT ANY UNDESIRABLE INTERRUPTION OF SERVICE.
16. ALL SENSE MAINS SHALL BE PER SDR 35 SENSE PIPE AND CONFORM WITH ASTM D-2221 STANDARD SPECIFICATIONS.
17. ALL SENSE LINE SEGMENTS SHALL BE TESTED FOR LEAKAGE AS PER ASTM F1415-92.1, REPEATED 1994.
18. THE CONTRACTOR SHALL GUARANTEE VALVES, MANHOLES, CLEANOUTS, ETC., BOTH BEFORE AND AFTER CONSTRUCTION.
19. ALL MANHOLES SHOULD BE TESTED BY EXPLORATION OR VOLUME TEST A.A.C. RIB-9-E-2301.D.1.F.
20. 100 PERCENT OF ALL SENSE MAINS NEWLY CONSTRUCTED SHALL HAVE A DEFLECTION TEST OF THE TOTAL LENGTH PER A.A.C. RIB-9-E-2301.D.1.F.
21. 105 PER CENT OF ALL EXISTING SENSE MAINS SHALL HAVE WATERPROOF DETECTION TEST OF THE TOTAL LENGTH PER A.A.C. RIB-9-E-2301.D.1.F.
22. CONTRACTOR IS TO FIELD VERIFY THE INTERFERENCE OF EXISTING SERVICES AT CRITICAL POINTS OF THE JOB AND/OR INVESTIGATIONS PRIOR TO PROCEEDING WITH THE BALANCE OF SENSE TRENCHING. IF THE FALL BETWEEN CRITICAL POINTS IS INSUFFICIENT TO MAINTAIN THE DESIRED SLOPE, THE CONTRACTOR SHALL ADJUST ON THE AFFECTED SINKER LINE AND CONTACT THE ENGINEER FOR HIS DESIGN.
23. CONTRACTOR SHALL INSTALL SENSE SERVICE LINES) AS SHOWN ON THE PLANS, THE DEPTH OF THE SENSE SERVICE LINED). AT THE POINT OF TERMINATION, SHALL BE USED ENOUGH TO SERVICE THE ENTIRE LOT IN ACCORDANCE WITH THE ONSITE FLOODING CODE.
24. INSTALL M.A.G. STANDARD REFLECTIVE TAPE OR PLASTIC COATED (BLUE FOR WATER MAINS AND GREEN FOR SENSE) 3" WIDE FOR ALL WATER AND SENSE LINES.
25. SENSE MAINS AND LANDING BEHIND CURB OR SIMILAR METHOD APPROVED BY AGSD, AND RECORD RESULTS.

[illegible]

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION SPONSORED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION AND HIGHWAYS (M.A.G.).

1. ALL PROPERTY REQUIREMENTS FOR STREETS SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 301 AND M.A.G. SPECIFICATION 302 FOR ALL WATER AND SEWER RECESSED COMPACTION DENSENESS SHALL BE 98% FROM THE SURFACE TO 2' BELOW SURFACE.

2. THE EXACT LOCATION OF UTILITIES SHOWN IS SUBJECT TO DISCOVERY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY OBTAINING A RECORD DRAWING FROM THE CITY ENGINEER'S OFFICE.

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AT LEAST 1 WORKING DAYS IN ADVANCE, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES IN PROTECTING AND MARKING EXISTING UTILITIES.

3. ALL EXISTING PAVEMENT AND SURFACE REPRESENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 20D-11 AND M.A.G. SPECIFICATION SECTION 336. ALL TRENCHES SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION SECTION 336.

4. ROADWAY EXCAVATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 303, M.A.G. SPECIFICATION 304 FOR WATERING AND M.A.G. STANDARD DETAIL 20G-1 FOR SUBGRADE PREPARATION.

5. CONTRACTOR SHALL REPLACE ANY REMOVED ASPHALT OR GRAVEL MATERIAL WITH EQUIVALENT MATERIAL.

6. ALL STREET ADJACENT BASE SHALL MEET THE REQUIREMENTS OF M.A.G. SECTION 310.

7. ALL ASPHALT CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SECTION 321.

8. FOG SEAL SHALL MEET M.A.G. STANDARDS SECTION 333.

9. CONCRETE CURB AND GUTTER SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 22D.

10. SIGNMASS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO. 23D. SIGNMASS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF M.A.G. STD SPECIFICATIONS, SECTION 505.

11. ALL POWERED CONCRETE STRUCTURES SHALL MEET THE REQUIREMENTS OF M.A.G. STD SPECIFICATIONS, SECTION 505.

12. THE EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE COUNTY ENGINEER OR AUTHORIZED REPRESENTATIVE.

13. THE EXISTING CONCRETION SHALL BE RECONSTRUCTED FOR THE FULL WIDTH OF THE PROJECT. ALL CRACKS, CHIPS, DISINTEGRATIONS, CREEPS, COVERS, AND VANE BOXES AS NECESSARY FOR A COMPLETE JOB AS APPROVED BY THE COUNTY ENGINEER.

14. ALL POWDER CONCRETION UNDER SHALL BE RECONSTRUCTED THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.

15. BASE COURSE SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN ACCEPTED BY THE COUNTY ENGINEER.

16. NO JOB SHALL BE COMPLETED UNTIL CURBS, PAVEMENTS AND SIDEWALKS HAVE BEEN SWEPT CLEAN OF ALL DIRT AND DEBRIS.

17. ALL LOCATIONS OF ALL WATER MAINS, SANITARIUMS AND MANHOLES SHALL BE IDENTIFIED AND MARKED PRIOR TO CONSTRUCTION BY THE CONTRACTOR AND MADE AVAILABLE TO THE COUNTY.

18. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE LOCATED BY THE GENERAL CONTRACTORS, REMOVED IN ORDER TO PERMIT CONSTRUCTION OF THE PROJECT AND RESTORED TO ORIGINAL CONDITION WITHOUT ANY UNNECESSARY INTERRUPTION OF SERVICE.

19. EXISTING STREET AND TRAFFIC SIGNAL WILL BE MAINTAINED DURING CONSTRUCTION AND PROTECTED BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER.

20. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW TRAFFIC CONTROL SIGNS AND WARNINGS IN ACCORDANCE WITH THE 1990 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

STORM WATER POLLUTION PREVENTION PLAN

DATED SEPTEMBER, 2005 AND PREPARED BY:

STANLEY CONSULTANTS, INC.
1520 S. EASTMAN AVE., SUITE 200
COSTA MESA, CA 92626-1119
(702) 355-9396

ALL CONSTRUCTION SHALL CONFORM WITH THE CITY OF
SOLIS REPORT PREPARED BY: AMERICA
ENGINEERING, LLC
DATED: 12 SEPTEMBER 05
PROJECT No.: 1050-050

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERAL CONDITIONS OF CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTING CONSTRUCTION MATERIALS, AND THE EXISTING SURROUNDING AREAS FROM DAMAGE DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING BUT NOT LIMITED TO PERSONS AND PROPERTY, AND TO BE LIMITED TO NORMAL WEARING, RIDES, AND THE CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTING THE EXISTING AREAS FROM DAMAGE DURING THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTING THE EXISTING AREAS FROM DAMAGE DURING THE CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS, AND SHALL NOTIFY THE OWNER OF ALL DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
3. SEE LANDSCAPE PLANS FOR LANDSCAPING AND OVERLAP IRRIGATION.

FINISHED FLOOR ELEVATION	PAD ELEVATION	BASE FLOOD ELEVATION
1.30	1.30	1.30

[illegible]

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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NORTH 0071336° EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 20, TOWNSHIP 20 NORTH, RANGE 19 WEST, GLA & SALT RIVER METROPOLITAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (4283-MF), WEST ZONE. INTERNATIONAL FOOT (IFT), UTILIZING FAST STAND OBSERVATIONS PROCESSED BY NGS-CPUS.

M.C.S.D. "SD 32" =
 LATITUDE 35.09.22.70034 "N
 LONGITUDE 114.03.21.57240 "W (NAD 83)
 HEIGHT 2562.4639M (NAVD 88)

STONE 1/4 COR 3/2 =
 LATITUDE 35.08.55.53389 "N
 LONGITUDE 114.10.30.72287 "W (NAD 83)
 HEIGHT 2498.20456M (NAVD 88)

BENCHMARK # "SD 34" M.C.S.D.
ELEVATION= 2590.24273 FTT (NAVD 88)
DESCRIPTION: ALUM CAP 2" DIA. SET IN CONC. 65 FT. NORTHEAST OF
THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R. 18 W. AND THE
INTERSECTION OF SHIRKROUP DR. AND HOPE RD., STAMPED "SD 34 1999
RLS 10243."

SCALE (H) N.T.S.				
SCALE (V) N.T.S.				
DRAWN BY EMG				
CHECKED BY MPB				
DATE 2-15-88				

5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
(702) 369-9396 Fax (702) 369-979
www.stanleygroup.com



Stanley Consultants INC

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

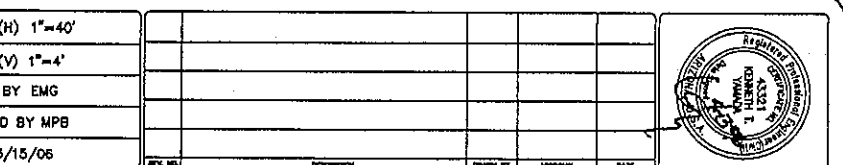
AZTEC ROAD SECTION 1 IMPROVEMENTS

GENERAL NOTES AND ABBREVIATIONS

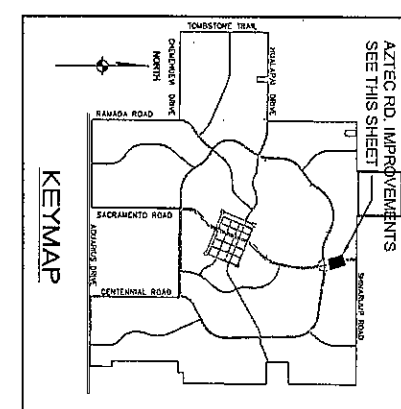
MOHAVE COUNTY

ARIZONA

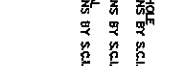
SHEET
G1



FOR STORM DRAIN CONSTRUCTION
SEE ROADWAY PLAN & PROFILE

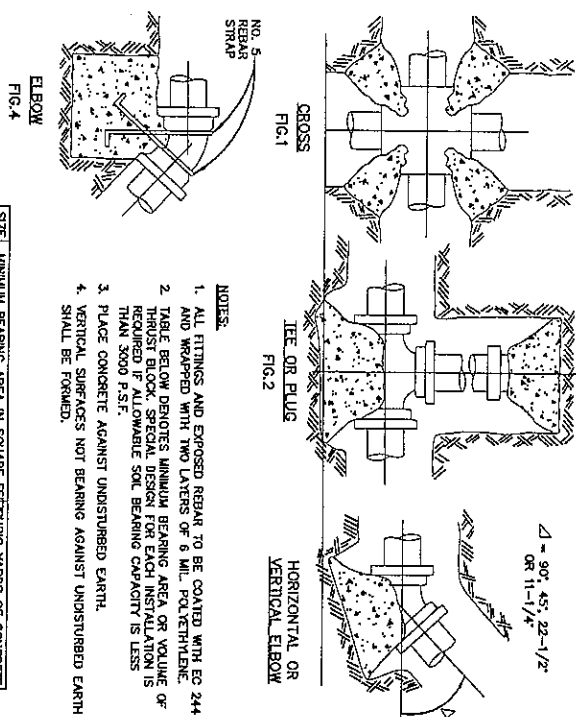


SCALE (H) 1"=40'
SCALE (V) 1"=4'
DRAWN BY EMG
CHECKED BY MPB
DATE 3/15/06



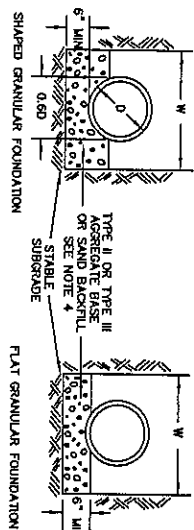
PRELIMINARY ISSUE FOR REVIEW

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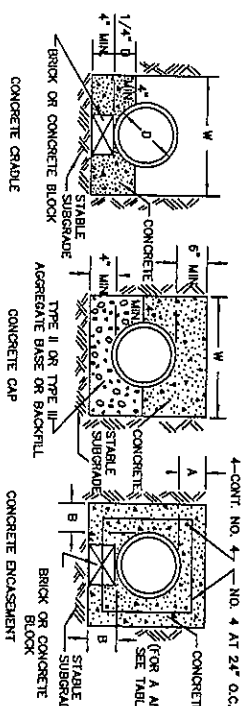


SIZE OF PIECE	FIG. 1		FIG. 2		FIG. 3		FIG. 4	
4"	2	1	30"	45"	22-1/2"	11-1/4"	10"	22-1/2"
6"	2	1	36"	54"	27"	13-1/2"	12"	27"
8"	2	1	42"	63"	32"	16"	14"	32"
10"	3	2	48"	72"	36"	18"	16"	36"
12"	3	2	54"	81"	42"	21"	18"	42"
14"	4	3	60"	90"	48"	24"	20"	48"
16"	4	3	66"	99"	54"	27"	22"	54"
18"	5	4	72"	108"	60"	30"	24"	60"
20"	5	4	78"	117"	66"	33"	26"	66"
22"	5	4	84"	126"	72"	36"	28"	72"
24"	6	5	90"	135"	78"	39"	30"	78"
26"	6	5	96"	144"	84"	42"	32"	84"
28"	7	6	102"	153"	90"	45"	34"	90"
30"	7	6	108"	162"	96"	48"	36"	96"
32"	8	7	114"	171"	102"	51"	38"	102"
34"	8	7	120"	180"	108"	54"	40"	108"
36"	9	8	126"	189"	114"	57"	42"	114"
38"	9	8	132"	198"	120"	60"	44"	120"
40"	10	9	138"	207"	126"	63"	46"	126"
42"	10	9	144"	216"	132"	66"	48"	132"
44"	11	10	150"	225"	138"	69"	50"	138"
46"	11	10	156"	234"	144"	72"	52"	144"
48"	12	11	162"	243"	150"	75"	54"	150"
50"	12	11	168"	252"	156"	78"	56"	156"
52"	13	12	174"	261"	162"	81"	58"	162"
54"	13	12	180"	270"	168"	84"	60"	168"
56"	14	13	186"	279"	174"	87"	62"	174"
58"	14	13	192"	288"	180"	90"	64"	180"
60"	15	14	198"	297"	186"	93"	66"	186"
62"	15	14	204"	306"	192"	96"	68"	192"
64"	16	15	210"	315"	198"	99"	70"	198"
66"	16	15	216"	324"	204"	102"	72"	204"
68"	17	16	222"	333"	210"	105"	74"	210"
70"	17	16	228"	342"	216"	108"	76"	216"
72"	18	17	234"	351"	222"	111"	78"	222"
74"	18	17	240"	360"	228"	114"	80"	228"
76"	19	18	246"	369"	234"	117"	82"	234"
78"	19	18	252"	378"	240"	120"	84"	240"
80"	20	19	258"	387"	246"	123"	86"	246"
82"	20	19	264"	396"	252"	126"	88"	252"
84"	21	20	270"	405"	258"	129"	90"	258"
86"	21	20	276"	414"	264"	132"	92"	264"
88"	22	21	282"	423"	270"	135"	94"	270"
90"	22	21	288"	432"	276"	138"	96"	276"
92"	23	22	294"	441"	282"	141"	98"	282"
94"	23	22	300"	450"	288"	144"	100"	288"
96"	24	23	306"	459"	294"	147"	102"	294"
98"	24	23	312"	468"	300"	150"	104"	300"
100"	25	24	318"	477"	306"	153"	106"	306"
102"	25	24	324"	486"	312"	156"	108"	312"
104"	26	25	330"	495"	318"	159"	110"	318"
106"	26	25	336"	504"	324"	162"	112"	324"
108"	27	26	342"	513"	330"	165"	114"	330"
110"	27	26	348"	522"	336"	168"	116"	336"
112"	28	27	354"	531"	342"	171"	118"	342"
114"	28	27	360"	540"	348"	174"	120"	348"
116"	29	28	366"	549"	354"	177"	122"	354"
118"	29	28	372"	558"	360"	180"	124"	360"
120"	30	29	378"	567"	366"	183"	126"	366"
122"	30	29	384"	576"	372"	186"	128"	372"
124"	31	30	390"	585"	378"	189"	130"	378"
126"	31	30	396"	594"	384"	192"	132"	384"
128"	32	31	402"	603"	390"	195"	134"	390"
130"	32	31	408"	612"	396"	198"	136"	396"
132"	33	32	414"	621"	402"	201"	138"	402"
134"	33	32	420"	630"	408"	204"	140"	408"
136"	34	33	426"	639"	414"	207"	142"	414"
138"	34	33	432"	648"	420"	210"	144"	420"
140"	35	34	438"	657"	426"	213"	146"	426"
142"	35	34	444"	666"	432"	216"	148"	432"
144"	36	35	450"	675"	438"	219"	150"	438"
146"	36	35	456"	684"	444"	222"	152"	444"
148"	37	36	462"	693"	450"	225"	154"	450"
150"	37	36	468"	702"	456"	228"	156"	456"
152"	38	37	474"	711"	462"	231"	158"	462"
154"	38	37	480"	720"	468"	234"	160"	468"
156"	39	38	486"	729"	474"	237"	162"	474"
158"	39	38	492"	738"	480"	240"	164"	480"
160"	40	39	498"	747"	486"	243"	166"	486"
162"	40	39	504"	756"	492"	246"	168"	492"
164"	41	40	510"	765"	498"	249"	170"	498"
166"	41	40	516"	774"	504"	252"	172"	504"
168"	42	41	522"	783"	510"	255"	174"	510"
170"	42	41	528"	792"	516"	258"	176"	516"
172"	43	42	534"	801"	522"	261"	178"	522"
174"	43	42	540"	810"	528"	264"	180"	528"
176"	44	43	546"	819"	534"	267"	182"	534"
178"	44	43	552"	828"	540"	270"	184"	540"
180"	45	44	558"	837"	546"	273"	186"	546"
182"	45	44	564"	846"	552"	276"	188"	552"
184"	46	45	570"	855"	558"	279"	190"	558"
186"	46	45	576"	864"	564"	282"	192"	564"
188"	47	46	582"	873"	570"	285"	194"	570"
190"	47	46	588"	882"	576"	288"	196"	576"
192"	48	47	594"	891"	582"	291"	198"	582"
194"	48	47	600"	900"	588"	294"	200"	588"
196"	49	48	606"	909"	594"	297"	202"	594"
198"	49	48	612"	918"	600"	300"	204"	600"
200"	50	49	618"	927"	606"	303"	206"	606"
202"	50	49	624"	936"	612"	306"	208"	612"
204"	51	50	630"	945"	618"	309"	210"	618"
206"	51	50	636"	954"	624"	312"	212"	624"
208"	52	51	642"	963"	630"	315"	214"	630"
210"	52	51	648"	972"	636"	318"	216"	636"
212"	53	52	654"	981"	642"	321"	218"	642"
214"	53	52	660"	990"	648"	324"	220"	648"
216"	54	53	666"	999"	654"	327"	222"	654"
218"	54	53	672"	1008"	660"	330"	224"	660"
220"	55	54	678"	1017"	666"	333"	226"	666"
222"	55	54	684"	1026"	672"	336"	228"	672"
224"	56	55	690"	1035"	678"	339"	230"	678"
226"	56	55	696"	1044"	684"	342"	232"	684"
228"	57	56	702"	1053"	690"	345"	234"	690"
230"	57	56	708"	1062"	696"	348"	236"	696"
232"	58	57	714"	1071"	702"	351"	238"	702"
234"	58	57	720"	1080"	708"	354"	240"	708"
236"	59	58	726"	1089"	714"	357"	242"	714"
238"	59	58	732"	1098"	720"	360"	244"	720"
240"	60	59	738"	1107"	726"	363"	246"	726"
242"	60	59	744"	1116"	732"	366"	248"	732"
244"	61	60	750"	1125"	738"	369"	250"	738"
246"	61	60	756"	1134"	744"	372"	252"	744"
248"	62	61	762"	1143"	750"	375"	254"	750"
250"	62	61	768"	1152"	756"	378"	256"	756"
252"	63	62	774"	1161"	762"	381"	258"	762"
254"	63	62	780"	1170"	768"	384"	260"	768"
256"	64	63	786"	1179"	774"	387"	262"	774"
258"	64	63	792"	1188"	780"	390"	264"	780"
260"	65	64	798"	1197"	786"	393"	266"	786"
262"	65	64	804"	1206"	792"	396"	268"	792"
264"	66	65	810"	1215"	798"	399"	270"	798"
266"	66	65	816"	1224"	804"	402"	272"	804"
268"	67	66	822"	1233"	810"	405"	274"	810"
270"	67	66	828"	1242"	816"	408"	276"	816"
272"	68	67	834"	1251"	822"	411"	278"	822"
274"	68	67	840"	1260"	828"	414"	280"	828"
276"	69	68	846"	1269"	834"	417"	282"	834"
278"	69	68	852"	1278"	840"	420"	284"	840"
280"	70	69	858"	1287"	846"	423"	286"	846"
282"	70	69	864"	1296"	852"	426"	288"	852"
284"	71	70	870"	1305"	858"	429"	290"	858"
286"	71	70	876"	1314"	864"	432"	292"	864"
288"	72	71	882"	1323"	870"	435"	294"	870"
290"	72	71	888"	1332"	876"	438"	296"	876"
292"	73	72	894"	1341"	882"	441"	298"	882"
294"	73	72	900"	1350"	888"	444"	300"	888"
296"	74	73	906"	1359"	894"	447"	302"	894"
298"	74	73	912"	1368"	900"	450"	304"	900"
300"	75	74	918"	1377"	906"	453"	306"	906"
302"	75	74	924"	1386"	912"	456"	308"	912"
304"	76	75	930"	1395"	918"	459"	310"	918"
306"	76	75	936"	1404"	924"	462"	312"	924"
308"	77	76	942"	1413"	930"	465"	314"	930"
310"	77	76	948"	1422"	936"	468"	316"	936"
312"	78	77	954"	1431"	942"	471"	318"	942"
314"	78	77	960"	1440"	948"	474"	320"	948"
316"	79	78	966"	1449"	954"	477"	322"	954"
318"	79	78	972"	1458"	960"	480"	324"	960"
320"	80	79	978"	1467"	966"	483"	326"	966"
322"	80	79	984"	1476"	972"	486"	328"	972"
324"	81	80	990"	1485"	978"	489"	330"	978"
326"	81	80	996"	1494"	984"	492"	332"	984"
328"	82	81	1002"	1503"	990"	495"	334"	990"
330"	82	81	1008"	1512"	996"	498"	336"	996"
332"	83	82	1014"	1521"	1002"	501"	338"	1002"
334"	83	82	1020"	1530"	1008"	504"	340"	1008"
336"	84	83	1026"	1539"	1014"	507"	342"	1014"
338"	84	83	1032"	1548"	1020"	510"	344"	1020"
340"</								

THRUST BLOCK DETAILS
PUBLIC STREET
N.T.S.



CLASS B BEDDING (NORMAL BEDDING)



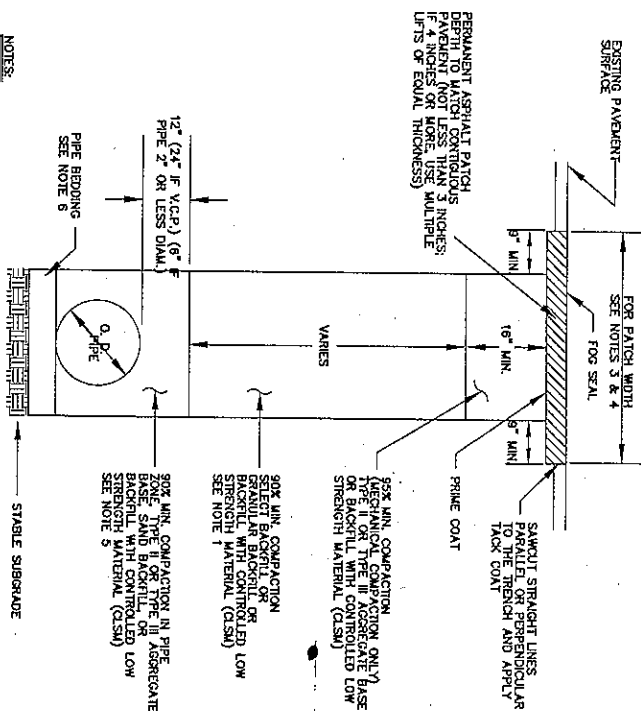
CLASS A BEDDING (CONCRETE BEDDING)

PIPE SIZE	B		A		PIPE SIZE		B		A	
	8	4	4	24	6	8	6	6	6	6
6"	4"	4"	4"	24"	6"	6"	6"	6"	6"	6"
8"	4"	4"	4"	27"	7"	6"	6"	6"	6"	6"
10"	4"	4"	4"	30"	8"	6"	6"	6"	6"	6"
12"	4"	4"	4"	33"	8"	6"	6"	6"	6"	6"
15"	4"	4"	4"	36"	9"	6"	6"	6"	6"	6"
18"	5"	5"	5"	39"	9"	6"	6"	6"	6"	6"
21"	5"	5"	5"	42"	10"	6"	6"	6"	6"	6"

W = OUTSIDE DIAMETER OF PIPE + 24" MAXIMUM

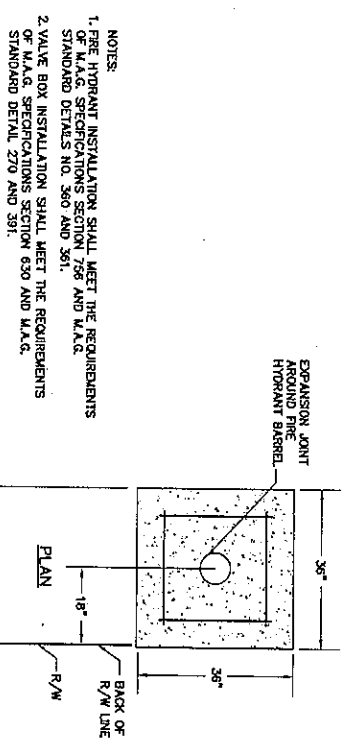
1. PIPE BEDDING TO BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY. SUBGRADE SHALL CONFORM TO RESPECTIVE ENTITY REQUIREMENTS.
2. INDICATED THICKNESS OF BEDDING MATERIAL TO BE CONSTRUCTED UNDER THE BARREL. SUBGRADE TO BE EXCAVATED TO PROVIDE 2' CLEARANCE UNDER THE BELL.
3. OTHER BEDDING METHODS MAY BE SPECIFIED OR APPROVED.
4. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY.

8 PIPE TRENCH BEDDING METHODS
PUBLIC STREET
0179



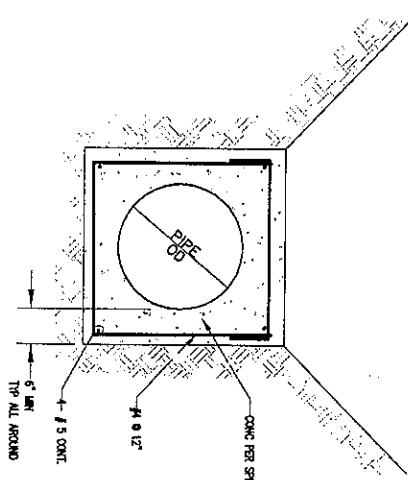
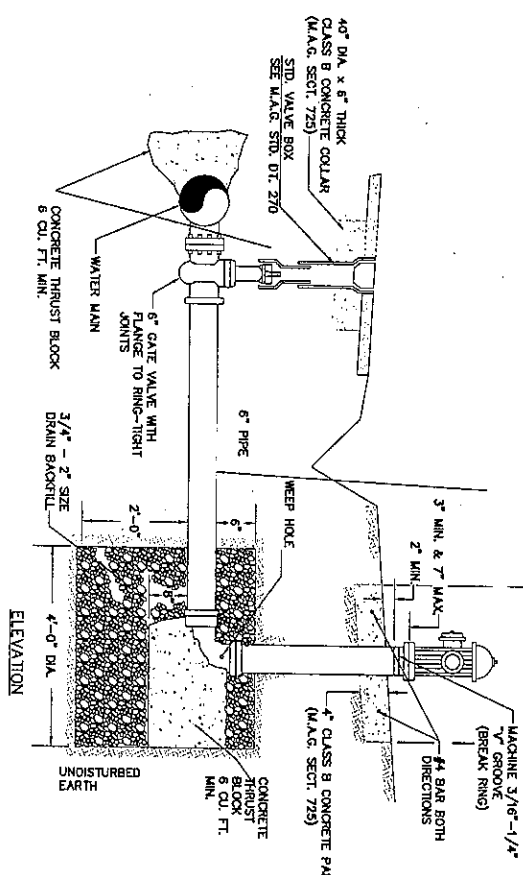
1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
2. IF SAWCUT IS WITHIN THREE FEET OF EDGE OF EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION. PATCHES SHALL BE WORTH (4 FEET MINIMUM) SUFFICIENT TO ACCOMMODATE MECHANICAL COUPLING FEET ANCHOR STANDARD SPECIFICATION BOX OR HAVING MACHINE, TROLLING AND SAWCUTS SHALL NOT BE PLACED IN THE WHEEL PATH AREA.
3. FOR CONDUIT TRENCHES 6 INCHES WIDE OR LESS WITHIN 2 FEET OF THE CURB, PATCHES SHALL EXCEED A MINIMUM OF 4 FEET FROM LEAD IN/OUTTER AND PAVEMENT SHALL BE RELATED TO EXISTING PAVEMENT. PATCHES SHALL BE 4 FEET MINIMUM SUFFICIENT TO ACCOMMODATE USING AGENCY APPROVED SPRAYER BOX OR PAVING MACHINE, TROLLING AND COUPLING FEET ANCHOR STANDARD SPECIFICATION SECTION 401.03.11. SAWCUT SHALL NOT BE PLACED IN WHEEL PATH AREA.
5. TRENCH WIDTH, BEDDING, SURFACE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL BE AS SPECIFIED IN THE TRENCHING AND BEDDING REQUIREMENTS.
6. CRUSHED ROCK SHALL BE USED AS BEDDING FOR ALL MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE STANDARD DRAWING NO. 505 FOR PIPE BEDDING REQUIREMENTS.
7. LAY VENTS VERTICAL WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.

TRENCH BACKFILL DETAIL
PUBLIC STREET
N.T.S.

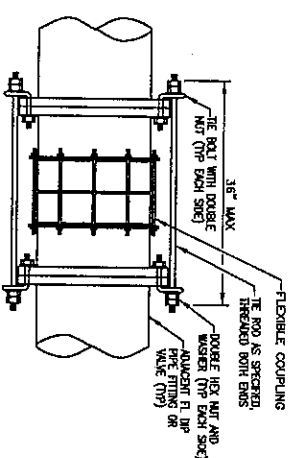
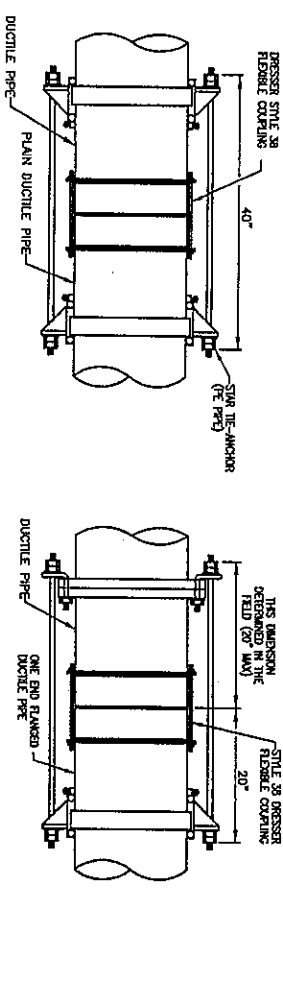


- NOTES:
1. FIRE HYDRANT INSTALLATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 756 AND M.A.G. STANDARD DETAILS NO. 360 AND 361.
 2. VALVE BOX INSTALLATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 630 AND M.A.G. STANDARD DETAIL 270 AND 391.

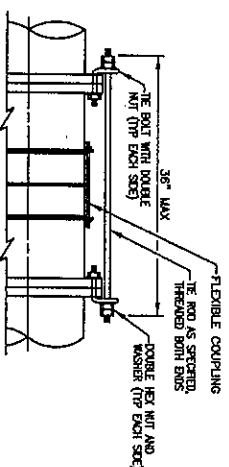
FIRE HYDRANT ASSEMBLY DETAIL
PUBLIC STREET



E CONCRETE ENCASUREMENT DETAIL
DT2 MTS

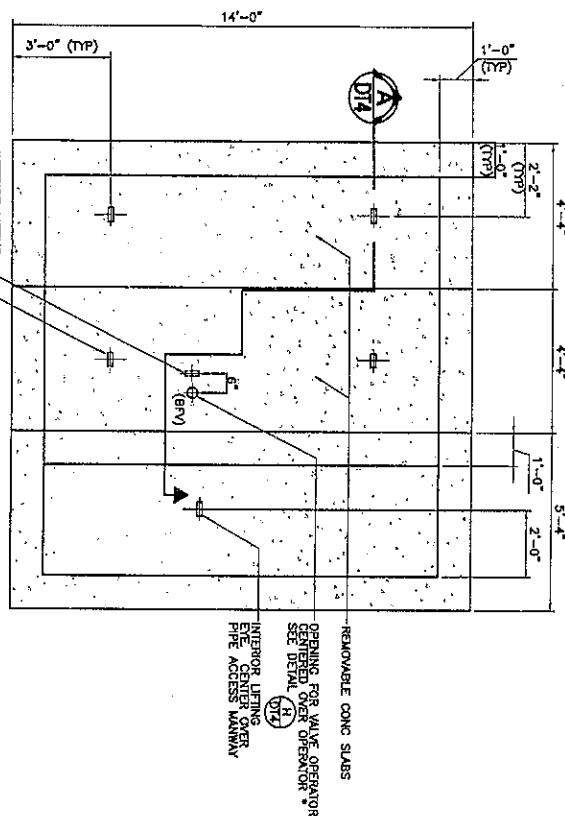


DOUBLE MECHANICAL JOINT



PIPE SIZE	THE ROD DIA	MM. TH. RODS REQD	THE BOLT DIA
8"	a"	2	a"
10"	a"	4	a"
12"	a"	4	a"
14"	1"	4	1"
16"	1"	4	1"
18"	1"	6	1"
24"	1"	10	1"
36"	1"	20	1"

1. PROVIDE THE ROOFS WHERE FLEXIBLE COUPLING RESTRAINTS ARE SPECIFIED AND AT ALL OTHER LOCATIONS INDICATED ON THE DRAWINGS
2. ORIENT AND SPACE THE ROOFS AS REQUIRED TO EVENLY DISTRIBUTE PIER PRESSURE

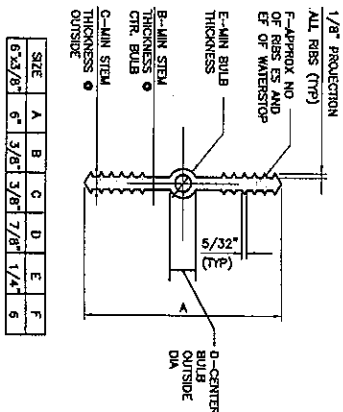


* NOTE
ACTUAL LOCATION OF ROOF OPENING FOR VALVE BOX AND ACTUATOR
EXTENSION SHALL BE DETERMINED BY CONTRACTOR AS A FUNCTION
OF THE DIMENSIONS AND CONFIGURATION OF THE ACTUAL EQUIPMENT
USED ON THE PROJECT. CONTRACTOR SHALL SUBMIT SCALED SHOP
DRAWING PRIOR TO POURING CONCRETE WALL TOP SLAB.

VALVE VAULT ROOF PLAN

NOT TO SCALE

PL03-2 011201 D13



- NOTES
1. MATERIAL QUALITY PER SPECIFICATIONS.
 2. DIMENSION REQUIREMENTS INDICATED SHOULD BE GIVEN TO SUPPLIERS PRIOR TO PLACING ORDERS.
 3. NON-ROUND CENTER BULBS SHALL HAVE A MIN OUTSIDE DIMENSION OF "D".

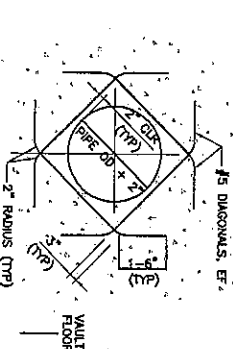
SIZE	A	B	C	D	E	F
6"x3/8"	6"	3/8"	3/8"	7/8"	1/4"	6

WATERSTOP DETAIL

NOT TO SCALE PLO3-3 121098

(b)(3)

1



WALL OPENING - DIAGONAL
REINFORCEMENT DETAIL

NOT TO SCALE

PL03-4 022801

NOT TO SCALE

022,80

D13

1. CONCRETE FOR VAULT STRUCTURES SHALL BE 4000 PSI, UNLESS OTHERWISE SPECIFIED.
2. PIPE OUTLET SHALL BE SHAVED TO FIT THE SPECIFIED PIPE DIAMETER.
3. MAINTAIN A MIN CLEARANCE OF 2" OF COVER FOR REINFORCED STEEL, UNLESS OTHERWISE SPECIFIED.
4. BACKFILL LIMITS OF VAULT EXCAVATION (INCLUDING BELOW VAULT FLOOR) WITH TYPE II AGGREGATE BASE, COMPACT TO 90% OF MAX DENSITY, UNLESS OTHERWISE SPECIFIED.

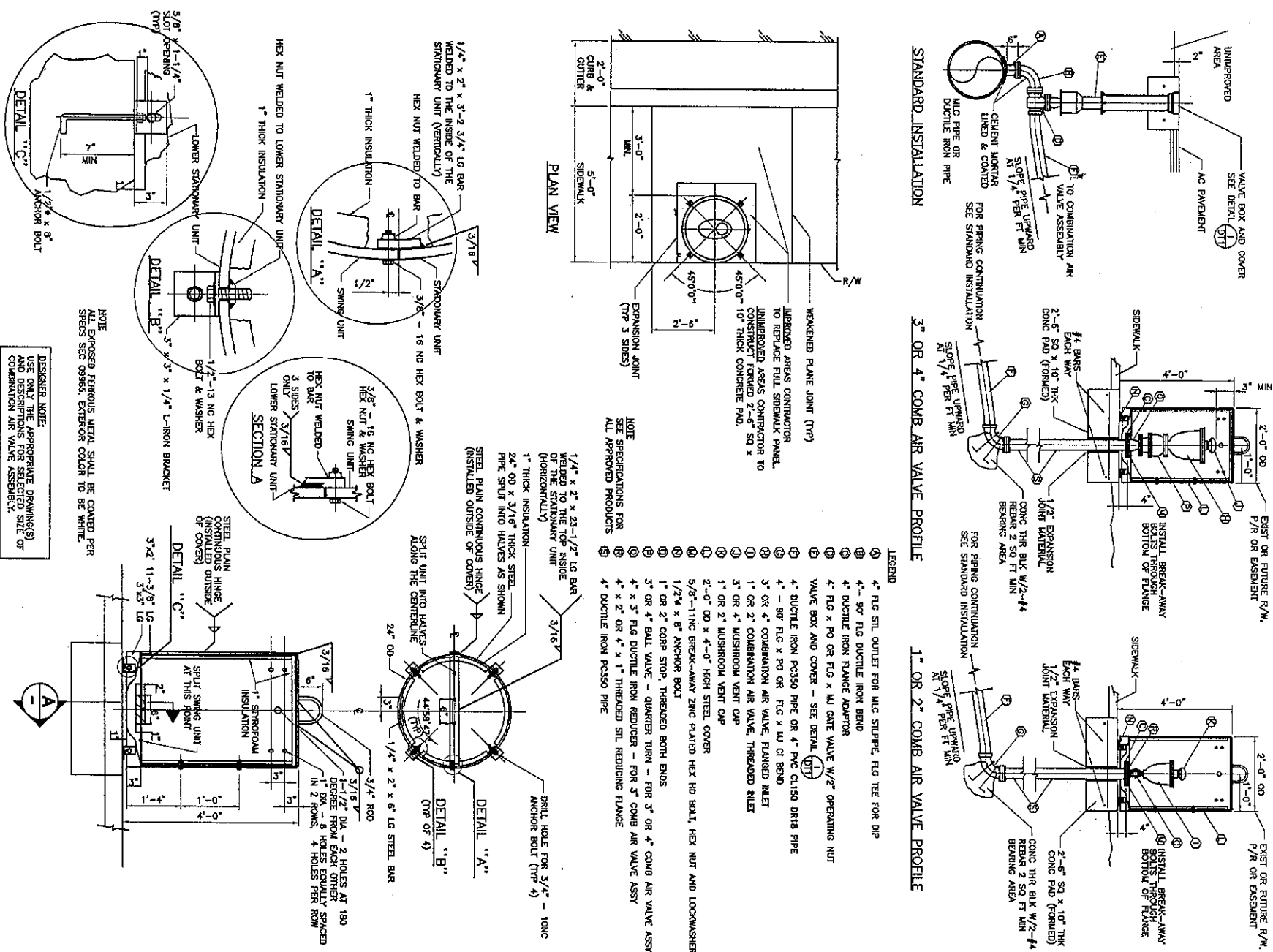
DETAIL NOTES

NOT TO SCALE

PL03-7

02284

DT301



STANDARD INSTALLATION

3rd OR 4th COMB AIR VALVE PROFILE

1" OR 2" COMB AIR VALVE PROFILE

COMBINATION AIR VALVE ASSEMBLY FOR 1", 2", 3", AND 4" VALVES

NOT TO SCALE

PLOS ONE

02140

DT3

**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**

**AZTEC ROAD SECTION 1 IMPROVEMENTS
DETAIL SHEET**

MOHAVE COUNTY

ARIZONA



Stanley Consultants INC.

5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
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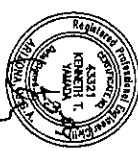
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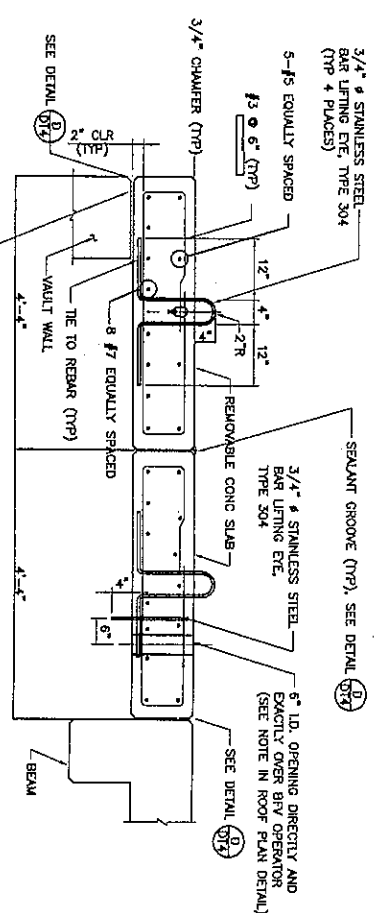
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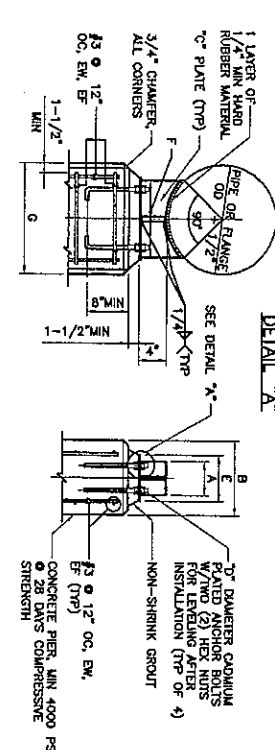
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DATE 3/31/06





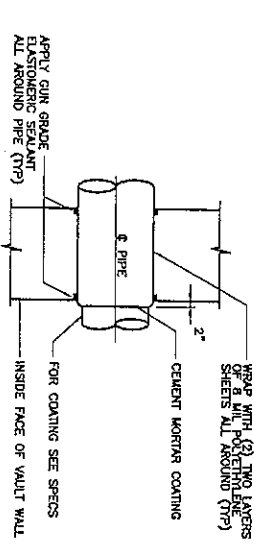
REMOVABLE CONCRETE SLAB SECTION
FIG. 5-022801
DT4



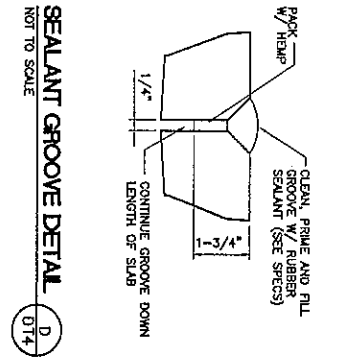
PIPE SUPPORT DETAIL
FIG. 5-022801
DT4

PIPE SUPPORT TABLE									
NOMINAL PIPE SIZE	SUPPORTING					FLANGE			
	A	B	C	D	E	F	G	H	I
12"	4"	12"	3/8"	5/8"	6"	10"	14"	14"	18"
16"	4"	12"	3/8"	5/8"	6"	12"	16"	17"	21"
18"	4"	12"	3/8"	5/8"	6"	14"	18"	18"	22"
20"	4"	12"	3/8"	5/8"	6"	16"	20"	20"	24"
24"	4"	12"	3/8"	5/8"	6"	18"	23"	23"	27"
30"	5"	12"	3/8"	5/8"	6"	23"	29"	28"	34"
36"	6"	15"	3/8"	5/8"	6"	27"	33"	33"	39"
42"	6"	18"	1/2"	1"	8"	32"	38"	38"	44"
48"	6"	18"	1/2"	1"	8"	36"	42"	42"	48"
54"	6"	18"	1/2"	1"	8"	40"	46"	47"	53"
60"	6"	18"	1/2"	1"	8"	44"	50"	52"	58"
66"	6"	18"	1/2"	1"	8"	48"	54"	57"	63"
72"	6"	18"	1/2"	1"	8"	52"	58"	62"	68"

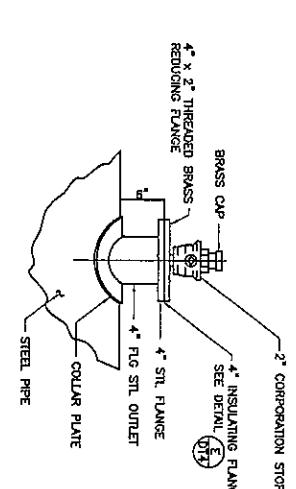
PIPE SUPPORT DETAIL
FIG. 5-022801
DT4



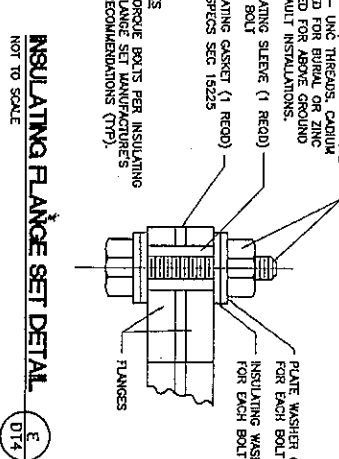
WALL PENETRATION DETAIL
FIG. 5-022801
DT4



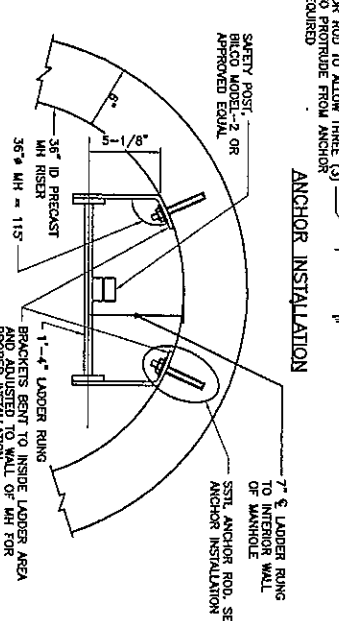
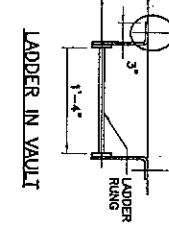
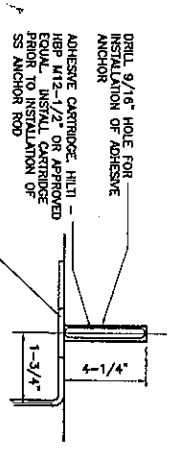
SEALANT GROOVE DETAIL
FIG. 5-022801
DT4



CORPORATION STOP DETAIL
FIG. 5-022801
DT4



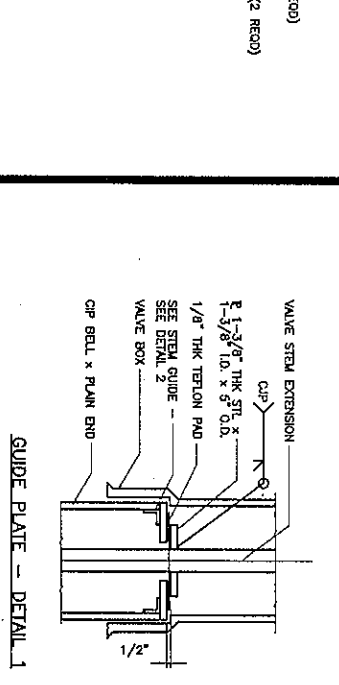
INSULATING FLANGE SET DETAIL
FIG. 5-022801
DT4



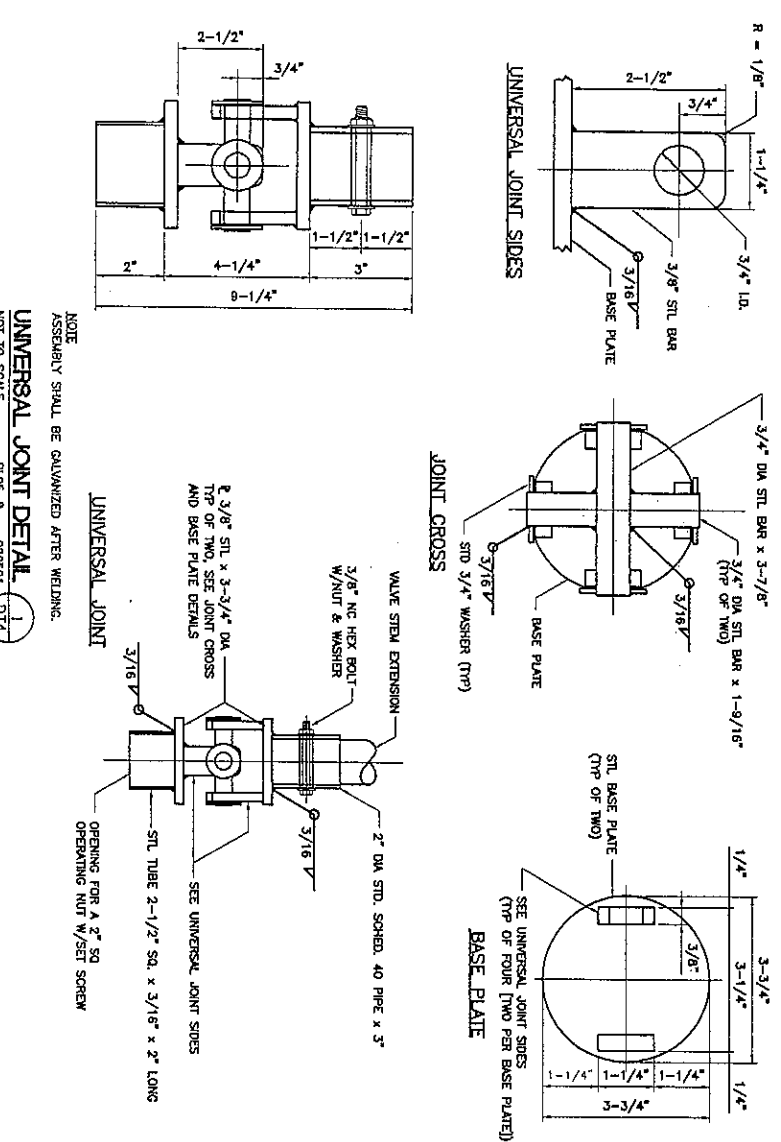
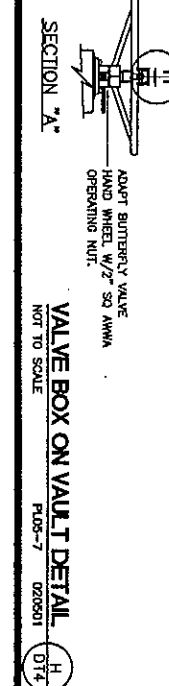
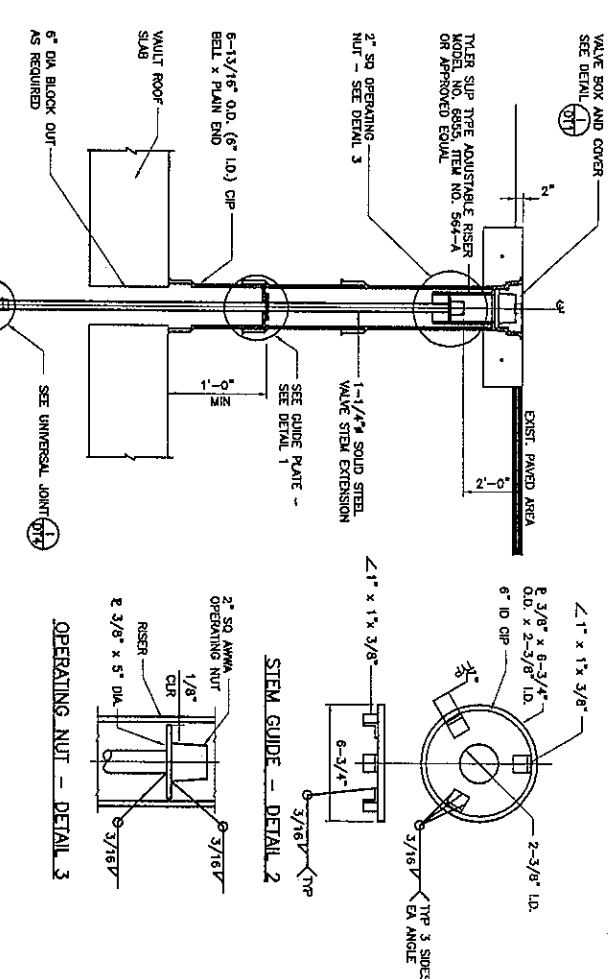
BRACKET SPACING TABLE	
BRACKET SPACING	FLAT BAR SIZE
5'-0" TO 20'-0" OC MAX	3" x 3/8"
OVER 20'-0"	4" x 1/2"

- NOTES
1. LANDING PLATFORM REQUIRED EVERY 20'-0" OF HEIGHT OR FRACTION THEREOF FOR OPEN LADDER. FOR LADDER WITH GAGE, PLATFORM SPACING IS 30'-0" MAX (OSHA 1910.27).
 2. APPROVAL OF THE ENGINEER REQUIRED FOR ANY BRACKET SPACING OVER 5'-0" OC (SEE BRACKET SPACING TABLE FOR BAR SIZE).
 3. LADDER SHALL BE MADE OF MILD CARBON STEEL WITH 3/4" SMOOTH BAR RUNGS.
 4. GALVANIZE LADDER ASSEMBLY AFTER WELDING.

LADDER INSTALLATION DETAILS
FIG. 5-022801
DT4



VALVE STEM EXTENSION DETAIL
FIG. 5-022801
DT4

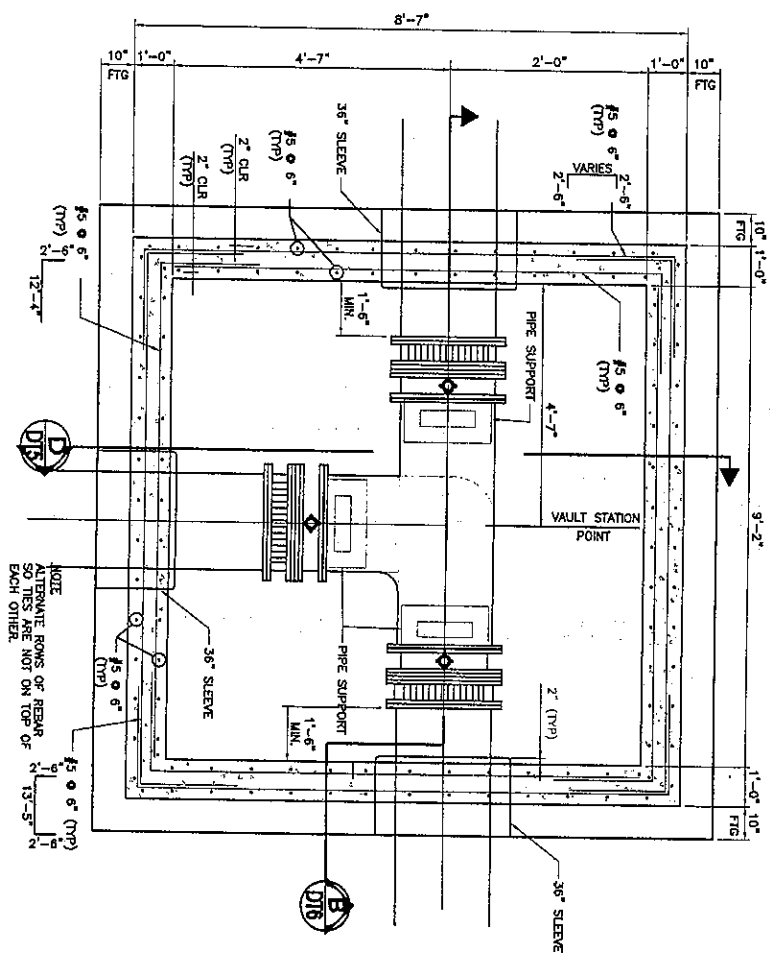


UNIVERSAL JOINT DETAIL
FIG. 5-022801
DT4

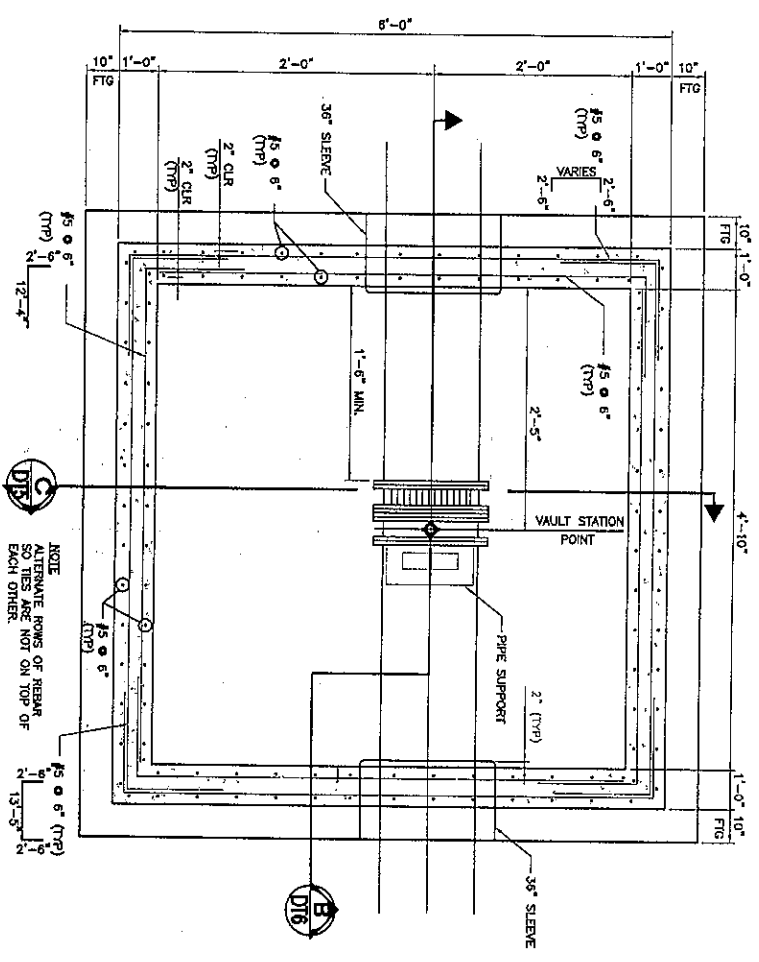


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RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH
AZTEC ROAD SECTION 1 IMPROVEMENTS
DETAIL SHEET
MOHAVE COUNTY ARIZONA
SHEET DT-3
16 OF 18 SHEETS
SCL PROJECT# 18449.03.03



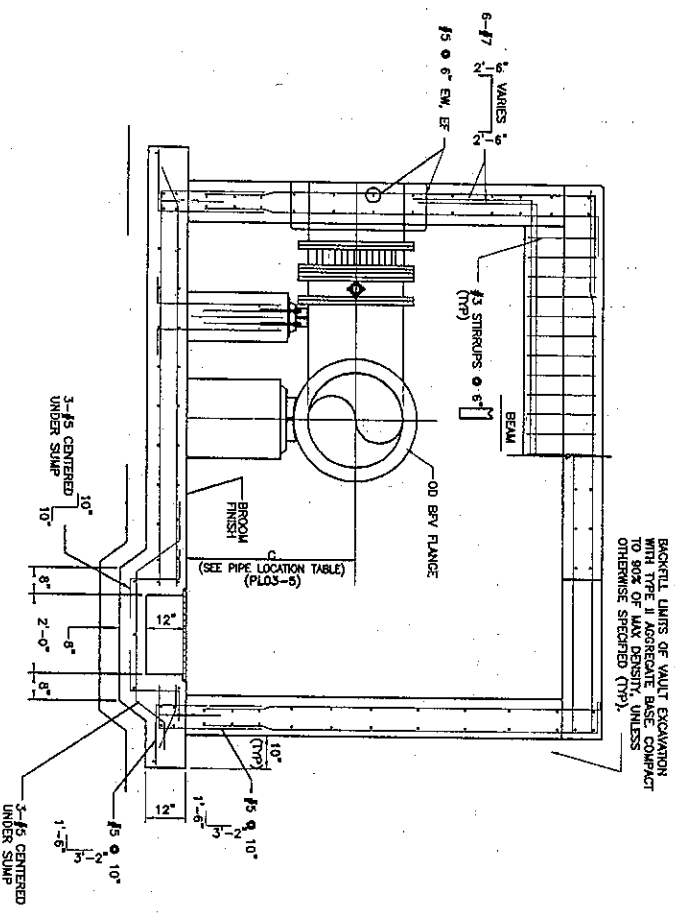
VALVE VAULT SECTIONAL PLAN
WITH (3) VALVE AND TEE
NOT TO SCALE



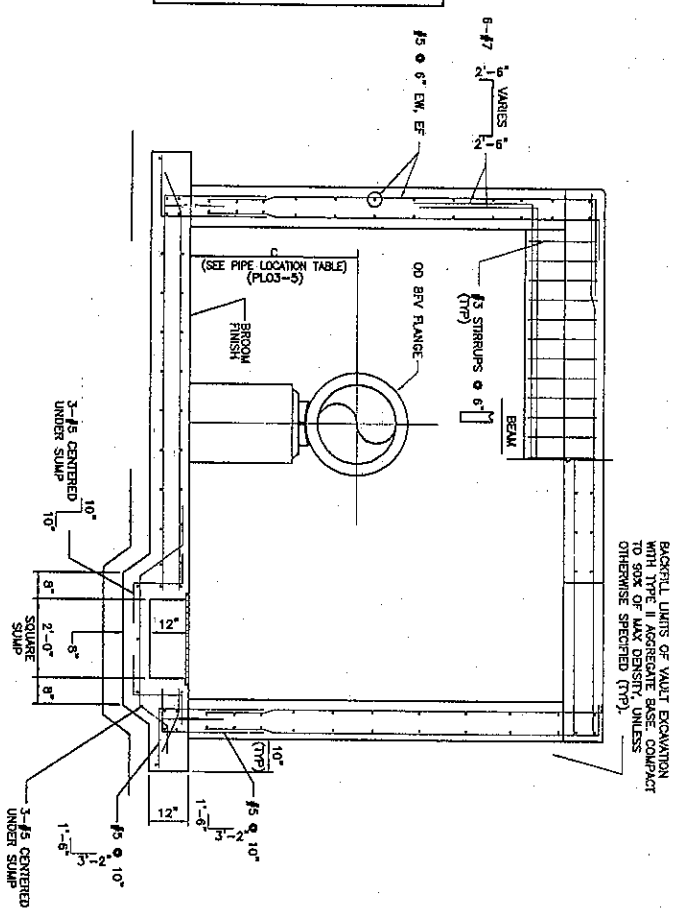
VALVE VAULT SECTIONAL PLAN
WITH (1) VALVE AND NO TEE
NOT TO SCALE

DESIGNER NOTES:
1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAIL WITH STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT REBAR SHALL INDICATE THE PIPE LINE STATION, THE VAULT STATION POINT, THE VAULT LOCATION AND ORIENTATION OF ALL OF THE VAULT APERTURES AND THE MANHOLE ACCESS COVER.
2. EACH VAULT PLAN, SECTIONS AND DETAILS SHALL INDICATE ALL LAYOUT DIMENSIONS AS DETERMINED BY THE DESIGN ENGINEER OR AS REFERENCED TO PLOD-6 AND THE TYPE LOCATION TABLE PLOD-5 IN THESE STANDARD DETAILS.
(DESIGNER NOTES TO BE DELETED FROM DRAWING)

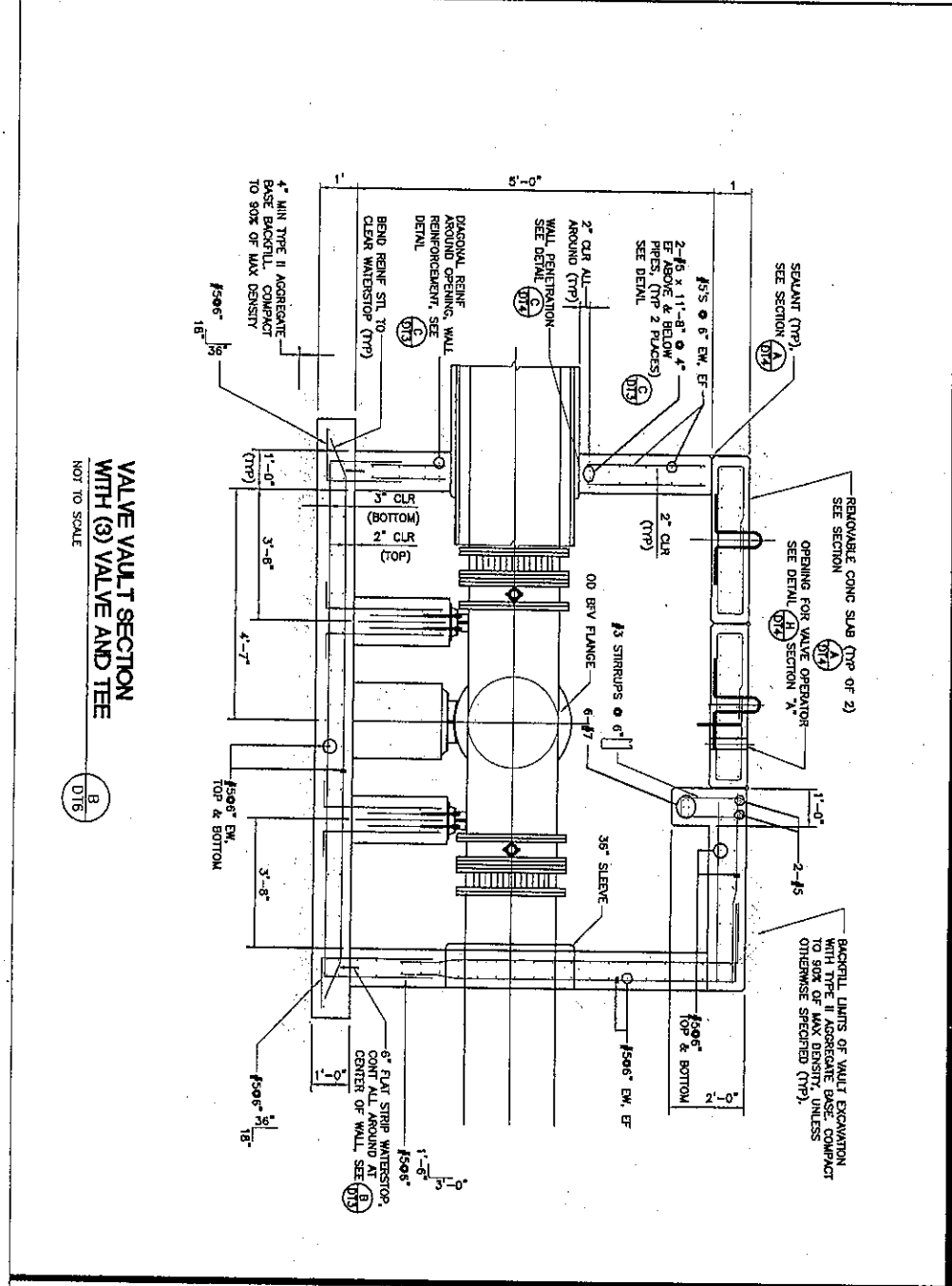
DESIGNER NOTES:
1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAIL WITH STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT REBAR SHALL INDICATE THE PIPE LINE STATION, THE VAULT STATION POINT, THE VAULT LOCATION AND ORIENTATION OF ALL OF THE VAULT APERTURES AND THE MANHOLE ACCESS COVER.
2. EACH VAULT PLAN, SECTIONS AND DETAILS SHALL INDICATE ALL LAYOUT DIMENSIONS AS DETERMINED BY THE DESIGN ENGINEER OR AS REFERENCED TO PLOD-6 AND THE TYPE LOCATION TABLE PLOD-5 IN THESE STANDARD DETAILS.
(DESIGNER NOTES TO BE DELETED FROM DRAWING)



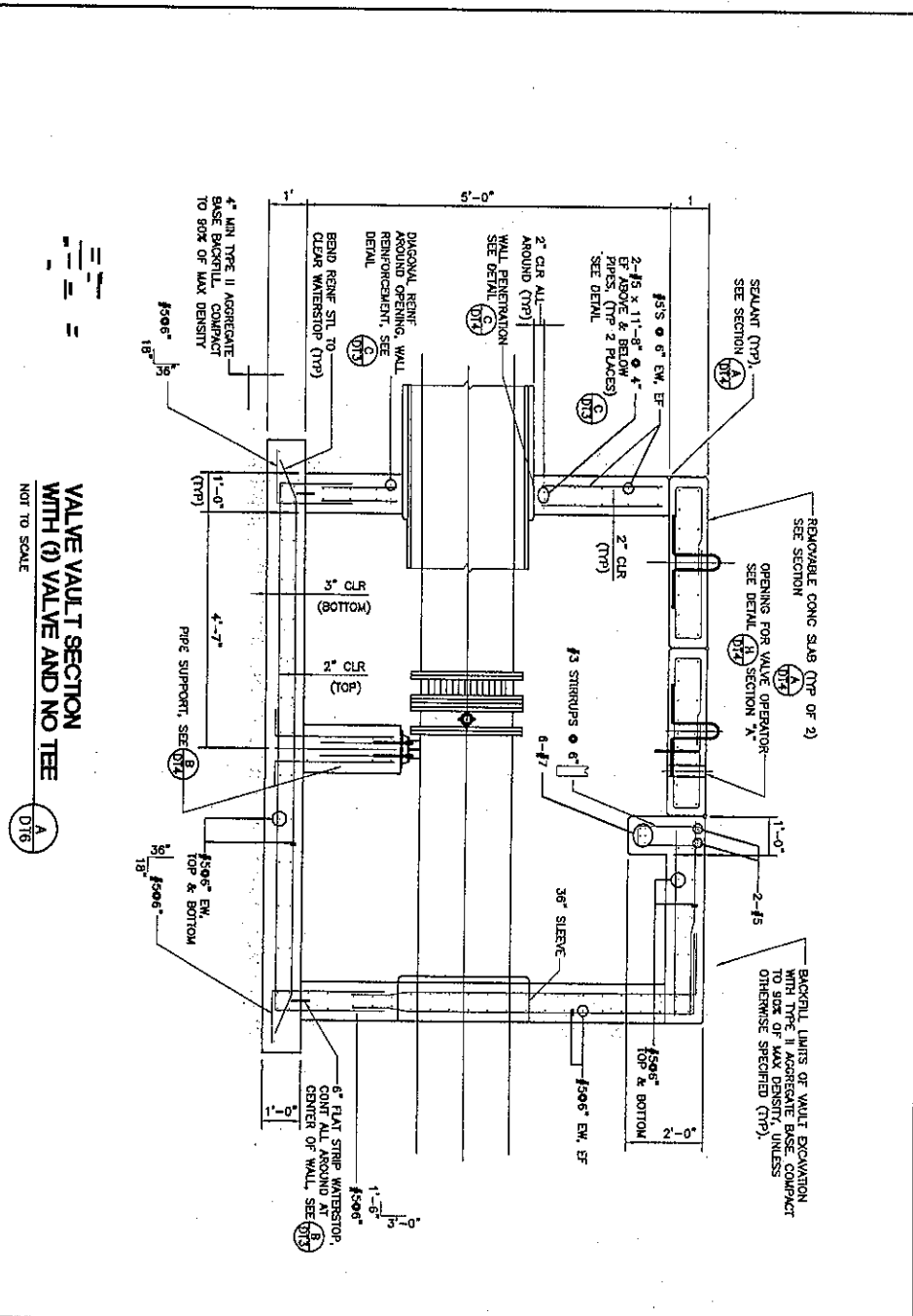
VALVE VAULT SECTION
WITH (3) VALVE AND TEE
NOT TO SCALE



VALVE VAULT SECTION
WITH (1) VALVE AND NO TEE
NOT TO SCALE



VALVE VAULT SECTION
WITH (3) VALVE AND TEE
NOT TO SCALE



VALVE VAULT SECTION
WITH (1) VALVE AND NO TEE
NOT TO SCALE

